

Include sheet in the construction plans.

Provide a section detail showing the curb & gutter and light pole with dimension label for minimum distance of the light pole location from the back of curb.

Light pole must be placed outside the clear zone. See ECM Chapter 2 Section 2.3.5 for clear zone criteria.

#### Fountain Electric Construction Standards and Specifications 2017 Edition

##### Street Lights

**Overview**  
The intent of this policy is to specify street lighting standards to be uniformly implemented throughout the certified service territory of the Electric Department. This policy has been designed to promote vehicle and pedestrian safety that is fair and affordable to the residents of the territory.

##### The purpose of the Standard

For the installation of all street lighting fixtures (luminaires) to be in conformance with this Standard as well as the provisions of the International Dark-Sky Association where feasible.

##### Contract Lights

The City will install private property contract lighting. (See City of Fountain tariff for pricing.)

##### New Subdivisions

The developer shall pay the full capital costs of every light to be installed by the Electric Department. This includes, but is not limited to, poles, fixtures, underground wiring, and any equipment necessary to construct an operational lighting system.

##### Residential Streets - Minimum Standards

Street lights shall be located at all intersections and 250' or every four lots between the intersections. Street light standards shall be as follows:  
Standard Street Light Type: 22' direct-buried fiberglass pole, 100W high pressure sodium or LED equivalent, full cutoff post top style fixture.

##### Collector Streets in Residential Areas - Minimum Standards

Street lights shall be located at all intersections and 250' spacing between the intersections. Street light standards shall be as follows:  
Standard Street Light Type: 25' steel pole, 8' mast arm, 100W high pressure sodium or LED equivalent, and full cutoff Cobra head style fixture.  
• Alternatives to the standards listed above may be proposed for consideration by Electric Department.

##### Arterial Streets - Minimum Standards

Street lighting shall be located at all intersections and 185' spacing between the intersections. Street light standards shall be as follows:  
Standard Street Light Type: 32' AL pole, 8' mast arm, 400W high pressure sodium or LED equivalent, and full cutoff Cobra head style fixture.  
• Alternatives to the standards listed above may be proposed for consideration by the Electric Department.  
**Operation and Maintenance**

2/10/17

#### Fountain Electric Construction Standards and Specifications 2017 Edition

The replacement of lamps, fixtures, and poles are maintained by the Electric Department.

Residents are requested to contact the Electric Department for street lights that are not operating, stay on continuously, or are turning on and off repeatedly.

Maintenance costs, which include power, equipment failures and equipment replacement, are covered through the operating costs of the street lights and shall be a cost to the City of Fountain.

2/10/17

#### Fountain Electric Construction Standards and Specifications 2017 Edition

##### Locals-L1

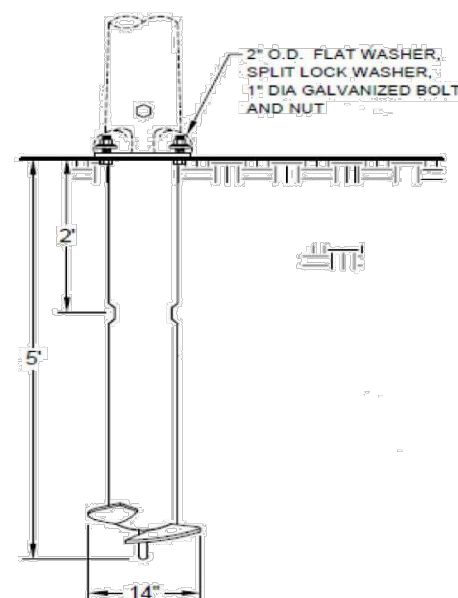


##### Collector L2



2/10/17

#### Fountain Electric Construction Standards and Specifications 2017 Edition



##### SCREW-IN BASE (FOUNDATION)

1. Install foundation just above grade.
2. Avoid use in areas with existing underground utilities if location is within 18" from the edge of the helix. If potholing is required, backfill around the screw-in base with flowable fill to achieve proper compaction.
3. Neutral conductor shall be bonded to the pole at the pole grounding lug.
4. This foundation is designed to be used with a maximum 40' steel pole with a 12' mast arm and a 75 lb. luminaire, under the condition of 100 m.p.h. winds.

2/10/17

REV.	DESCRIPTION	DATE

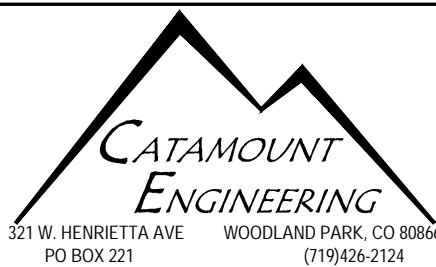


PREPARED FOR:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND BEHALF OF CATAMOUNT ENGINEERING.

DAVID L. MUJARES, COLORADO PE #40510

DATE



LIGHTING PLAN

DESIGNED BY:	DLM	DRAWN BY:	DBM
SCALE:	1" = 100'	DATE:	
JOB NUMBER	17-114	SHEET	22 OF